APPENDIX A
(Clean Copy Of Amended Claims)

1. (Amended) A time-division method for playing a plurality of voice signals, comprising the steps of:

inputting each of a plurality of control signals to a corresponding voice data generator, said voice data generator generating said plurality of voice signals;

under the control of a periodical channel selecting signal, utilizing a channel selector to successively sample said plurality of voice signals with a sampling rate such that each of a plurality of channels is sampled once per cycle to generate a multi-channel voice signal containing periodically alternative voice signals;

said channel selector directly sending said multi-channel voice signal to a voice generator including a power amplifier, the output of said voice generator then driving a speaker to play said plurality of voice signals.

3. (Amended) A time-division method as claimed in claim 1, wherein said channel selecting signal has a plurality of states during each cycle, each of said plurality of states corresponding to an associated channel.

4. (Amended) A time-division method as claimed in claim 1, wherein a plurality of said voice signals are inputted to selected channels so as to adjust a volume of said plurality of said voice signals.

13. (NEW) The time-division method as claimed in claim 1, wherein said voice generator includes a digital-to-analog converter.

14. (New) The time-division method as claimed in claim 1, wherein said voice generator includes a pulse width modulator.

15. (New) The time-division method as claimed in claim 1, wherein said voice generator includes a high-speed counter and a switch.

16. (New) The time-division method as claimed in claim 1, wherein said voice generator includes a power amplifier.

17. (New) A time-division method for playing a plurality of voice signals, comprising:

successively sampling said plurality of voice signals in response to a periodical channel selecting signal with a sampling rate that each of said plurality of voice signals is sampled per cycle, and producing a multi-channel voice signal containing each of said plurality of voice signals;

sending said multi-channel voice signal to a voice generator; and

driving an output of said voice generator through a speaker to play said plurality of voice signals.

18. (New) The time-division method as claimed in claim 17, wherein said voice generator includes a digital-to-analog converter.

19. (New) The time-division method as claimed in claim 17, wherein said voice generator includes a pulse width modulator.

20. (New) The time-division method as claimed in claim 17, wherein said voice generator includes a power amplifier.

21. (New) The time-division method as claimed in claim 17, wherein said method mixes said plurality of voice signals by adjusting the number of channels of said channel selector.

22. (New) The time-division method as claimed in claim 17, wherein said method adjusts volumes of each of said plurality of voice signals by adjusting numbers of channels of said channel selector.

23. (New) A time-division method for adjusting volumes of each of a plurality of voice signals, comprising:

receiving each of said plurality of voice signals from a corresponding one of a plurality of voice data generators;

successively sampling said plurality of voice signals in response to a periodical channel selecting signal with a sampling rate that each of said plurality of voice signals is sampled per cycle, and producing a multi-channel voice signal containing each of said plurality of voice signals;

sending said multi-channel voice signal to a voice generator; and

driving an output of said voice generator through a speaker to play said plurality of voice signals,

wherein said method can adjust volumes of each of said plurality of voice signals by adjusting the number of channels.

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24. (New) The time-division method as claimed in claim 23, wherein said voice generator includes a digital-to-analog converter.

25. (New) The time-division method as claimed in claim 23, wherein said voice generator includes a pulse width modulator.

26. (New) The time-division method as claimed in claim 23, wherein said voice generator includes a power amplifier.

27. (New) The time-division method as claimed in claim 23, wherein said method mixes said voice signals.